

FAD synthase (FLAD1) Recombinant Protein | FLAD1 recombinant protein

Recombinant Human FAD synthase (FLAD1)

CATALOG # AAA116871	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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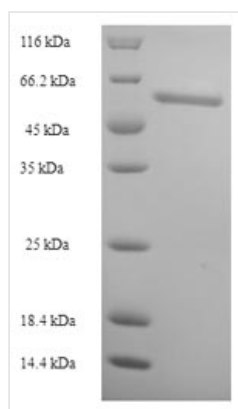
PRODUCT SYNONYMS

FAD synthase (FLAD1); Recombinant Human FAD synthase (FLAD1); FAD pyrophosphorylase; FMN adenylyltransferase; Flavin adenine dinucleotide synthase 2 domains: Molybdenum cofactor biosynthesis protein-like region; FAD synthase region; FLAD1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-490aa; Full Length
Sequence	MTSRASELSP GRSVTAGIII VGDEILKGHT QDTNTFFLCR TLRSLGVQVC RVSVPDEVA TIAAEVTSFS NRFTHVLTAG GIGPTHDDVT FEAVAQAFGD ELKPHPKLEA ATKALGGEGW EKLSLVPSSA RLHYGTDPC GQPFRFPLVS VRNVYLFPGI PELLRRVLEG MKGLFQNPVAV QFHSKELYVA ADEASIAPIL AEAQAHFGRR LGLGSYPDWG SNYYQVKLTL DSEEEGPLEE CLAYLTARLP QGSLVPYMPN AVEQASEAVY KLAESGSSLG KKVAGALQTI ETSLAQYSLT QLCVGFNGGK DCTALLHLFH AAVQRKLPDV PNPLQILYIR SISPFPELEQ FLQDTIKRYN LQMLEAEGSM KQALGELQAR HPQLEAVLMG TRRTDPYSCS LCPFSPTDPG WPAFMRINPL LDWTYRDIWD FLRQLFVPHY ILYDRGYTSL GSRENTVRNP ALKCLSPGGH PTYRPAYLLE NEEEEENSRT
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FLAD1 recombinant protein	Catalyzes the adenylation of flavin mononucleotide (FMN) to form flavin adenine dinucleotide (FAD) coenzyme.
Product Categories/Family for FLAD1 recombinant protein	Metabolism

References

Over-expression in Escherichia coli and characterization of two recombinant isoforms of human FAD synthetase.Brizio C., Galluccio M., Wait R., Torchetti E.M., Bafunno V., Accardi R., Gianazza E., Indiveri C., Barile M.Biochem. Biophys. Res. Commun. 344:1008-1016(2006) Cloning, expression and characterization of a human FAD synthetase.Fischer M.J., Kempter K., Bacher A. Chen X.G., Li Y. Large-scale cDNA transfection screening for genes related to cancer development and progression.Wan D., Gong Y., Qin W., Zhang P., Li J., Wei L., Zhou X., Li H., Qiu X., Zhong F., He L., Yu J., Yao G., Jiang H., Qian L., Yu Y., Shu H., Chen X., Xu H., Guo M., Pan Z., Chen Y., Ge C., Yang S., Gu J.Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004) The DNA sequence and biological annotation of human chromosome 1.Gregory S.G., Barlow K.F., McLay K.E., Kaul R., Swarbreck D., Dunham A., Scott C.E., Howe K.L., Woodfine K., Spencer C.C.A., Jones M.C., Gillson C., Searle S., Zhou Y., Kokocinski F., McDonald L., Evans R., Phillips K., Atkinson A., Cooper R., Jones C., Hall R.E., Andrews T.D., Lloyd C., Ainscough R., Almeida J.P., Ambrose K.D., Anderson F., Andrew R.W., Ashwell R.I.S., Aubin K., Babbage A.K., Bagguley C.L., Bailey J., Beasley H., Bethel G., Bird C.P., Bray-Allen S., Brown J.Y., Brown A.J., Buckley D., Burton J., Bye J., Carder C., Chapman J.C., Clark S.Y., Clarke G., Clee C., Cobley V., Collier R.E., Corby N., Coville G.J., Davies J., Deadman R., Dunn M., Earthrowl M., Ellington A.G., Errington H., Frankish A., Frankland J., French L., Garner P., Garnett J., Gay L., Ghorl M.R.J., Gibson R., Gilby L.M., Gillett W., Glithero R.J., Grafham D.V., Griffiths C., Griffiths-Jones S., Grocock R., Hammond S., Harrison E.S.I., Hart E., Haugen E., Heath P.D., Holmes S., Holt K., Howden P.J., Hunt A.R., Hunt S.E., Hunter G., Isherwood J., James R., Johnson C., Johnson D., Joy A., Kay M., Kershaw J.K., Kibukawa M., Kimberley A.M., King A., Knights A.J., Lad H., Laird G., Lawlor S., Leongamornlert D.A., Lloyd D.M., Loveland J., Lovell J., Lush M.J., Lyne R., Martin S., Mashreghi-Mohammadi M., Matthews L., Matthews N.S.W., McLaren S., Milne S., Mistry S., Moore M.J.F., Nickerson T., O'Dell C.N., Oliver K., Palmeiri A., Palmer S.A., Parker A., Patel D., Pearce A.V., Peck A.I., Pelan S., Phelps K., Phillimore B.J., Plumb R., Rajan J., Raymond C., Rouse G., Saenphimmachak C., Sehra H.K., Sheridan E., Shownkeen R., Sims S., Skuce C.D., Smith M., Steward C., Subramanian S., Sycamore N., Tracey A., Tromans A., Van Helmond Z., Wall M., Wallis J.M., White S., Whitehead S.L., Wilkinson J.E., Willey D.L., Williams H., Wilming L., Wray P.W., Wu Z., Coulson A., Vaudin M., Sulston J.E., Durbin R.M., Hubbard T., Wooster R., Dunham I., Carter N.P., McVean G., Ross M.T., Harrow J., Olson M.V., Beck S., Rogers J., Bentley D.R.Nature 441:315-321(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	296434309
NCBI GeneID	80308
NCBI Accession #	NP_001171820.1
NCBI GenBank Nucleotide #	NM_001184891.1
UniProt Accession #	Q8NFF5; Q8N5J1; Q8N686; Q8WU93; Q8WUJ4; Q96CR8; Q99764; Q9HBN6
Molecular Weight	70.2 kDa
NCBI Official Full Name	FAD synthase isoform 3
NCBI Official Synonym Full Names	flavin adenine dinucleotide synthetase 1
NCBI Official Symbol	FLAD1
NCBI Official Synonym Symbols	FAD1; FADS; PP591
NCBI Protein Information	FAD synthase
UniProt Protein Name	FAD synthase
UniProt Gene Name	FLAD1
UniProt Entry Name	FAD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.